

## **AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in this application:

### **LISTING OF CLAIMS:**

1. (Currently Amended) A modular building system comprising:
  - (a) multiple portable pre-cast modules, wherein each of ~~[[said]]~~ the multiple modules comprise:
    - (i) structural steel mesh ~~comprising a backbone and two fins~~;
    - (ii) cementitious mortar encasing ~~said backbone and said two fins of said~~ the structural steel mesh and ~~yielding six sides and eight edges of said module~~; and
    - (iii) triangular indentations located along edges of the module and in ~~said six sides and said eight edges of said cementitious mortar~~, exposing portions of ~~[[said]]~~ the structural steel mesh; ~~[[and]]~~
  - (b) metal plate connectors; and ~~, wherein~~
  - (c) welds between the ~~[[said]]~~ metal plate connectors ~~are welded to said~~ and ~~the~~ exposed portions of ~~[[said]]~~ the structural steel mesh thereby connecting adjacent modules.
2. (Currently Amended) The modular building system of claim 1, wherein each module includes a 90 degree appendix on opposite edges of the module ~~said two fins of said module measure approximately 50 mm from said backbone~~.
3. (Currently Amended) The modular building system of claim 1, further comprising:
  - (d) epoxy resin on ~~[[said]]~~ the edges of ~~[[said]]~~ the module in contact with an adjacent module.
- Claims 4 to 8. (Canceled).
9. (Currently Amended) The modular building system of claim 1, further comprising:
  - (e) ~~[[c)]]~~ reinforcing steel mesh; and ~~, wherein said~~

~~(f) at least one of (i) solder and (ii) ties connecting the~~ reinforcing steel mesh  
~~is one of (i) soldered and (ii) tied to said~~ and the structural steel mesh.

Claim 10. (Canceled).

11. (New) The modular building system of claim 1, wherein the module is one of: (i) a square, (ii) a rectangle, (iii) a triangle, and (iv) a trapezoid.

12. (New) The modular building system of claim 1, wherein the structural steel mesh comprises steel bars having a yield stress between 4000 and 6000 kg/cm<sup>2</sup>.

13. (New) The modular building system of claim 1, wherein the structural steel mesh comprises steel bars having a diameter of 4 mm and a spacing of 100 mm x 50 mm and 100 mm x 100 mm.

14. (New) The modular building system of claim 1, wherein the module has an overall dimension of 1500 mm x 250 mm.

15. (New) The modular building system of claim 1, wherein the module has an overall dimension of 750 mm x 250 mm.

16. (New) The modular building system of claim 2, wherein each 90 degree appendix has a length between 30 mm and 100 mm from the edge of the module.

17. (New) The modular building system of claim 16, wherein each 90 degree appendix has a length of approximately 50 mm from the edge of the module.

18. (New) The modular building system of claim 1, wherein the cementitious mortar includes Portland cement, water, and sand having a maximum particle size of 4.8 mm.

19. (New) The modular building system of claim 1, wherein the module has a thickness of approximately 40 mm.

20. (New) The modular building system of claim 9, wherein the triangular indentations located along edges of the module expose portions of the reinforcing steel mesh.

21. (New) The modular building system of claim 1, further comprising:

(g) cementitious mortar filling voids in the triangular indentations between the cementitious mortar encasing the structural steel mesh, the metal plate connectors, and the welds.